



CDF Operations Report

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CDF Weekly Meeting

January 26, 2006



Accelerator Status

- Tevatron down since quench Jan 14
 - Vacuum leak at A44 fixed by replacing insulating vacuum o-ring (did not have to change a magnet)
 - Final leak checks failed in 3 places, including A49
 - Removed shielding blocks on west CDF low- β quads Fri night and Sat
 - Replaced o-ring between the Q2 and Q3 magnets
 - Leak finally isolated to the bottom bellows on the Q2 magnet and repaired Sunday, shielding blocks replaced Monday
- Pbar work during Tev downtime focussed on debuncher horizontal orbit



Accelerator Status

- Tev cold Monday night (ahead of schedule)
- Access for injector chain/Pbar/Recycler Tues during Tev turnon
- Remaining problem in AP2 line delayed stacking till Wed morning
- D0 roman pots tested Tues and one appeared to be stuck in (required Tevatron access)
- Tev tuned up Tues owl but electron lens needed access Wed morning (part of a string of TEL problems, continuing today)
- D0 calorimeter noise problem requires additional accesses before collisions
- Pbar lithium lens had to be replaced (Wed evening and today)
 - Pbar transport access today (originally postponed)
 - Hope to stack again this evening
- Current optimistic estimate for collisions is tomorrow day shift



Detector work this week

- COT
 - Low voltage work – repaired bad solder joint for SL1
 - Replaced problem TDCs in cot09, cot01
- XFT upgrade work
 - XTC2 /transition cards/fibers – fixed many problems
- Muons
 - BMU, CMU/P repairs
 - Broken CMP tube found (flammable gas leak) and fixed
 - BMU HV CAEN replaced
- TOF LV investigated
- Diamond detector for BLM repaired and reinstalled
- Halo / abort counter work (all new abort counters are installed in Tev tunnel)



Other work

- Silicon bias scan
- Changed axial COT timing for XFT upgrade
- SLAM (stereo linker assoc modules) firmware, readout tests
- Tested lower COT ASDQ thresholds for noise (XFT effic)
- XTRP work
- L2 code implemented to ignore a system (eg CES) to help diagnose L2 time outs (eg ccal13)
- Calorimeter ADMEM calibration and download
- Tested remote CO connection from Pisa



Plan

- Pray for beam
- Silicon may be included in the first store after things are stable
- Plan (hope!) to have a few “normal” stores to make sure everything is working
 - Some trigger table tests
- Low luminosity store hopefully early next week